



Description

- Standard 5 x 3.2mm crystal oscillator
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-37
- Model Issue number 7

Frequency Parameters

- Frequency 12.2880MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -10.00 to 70.00°C
- Ageing ±3ppm max per year

Electrical Parameters

- Supply Voltage 2.5V ±5%
- Current Draw 10.00mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 5.0ns max
- Duty Cycle 45/55%
- Logic '1' (>70% VS) to pad 1 enables oscillator output.
Logic '0' (<30% VS) to pad 1 disables oscillator output and oscillator output goes to the high impedance state.
No connection to pad 1 enables oscillator output.
Standby Current: 10µA max.

Environmental Parameters

- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave.
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs).
- Storage Temperature Range: -55 to 125°C

Compliance

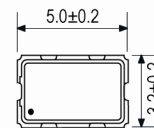
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

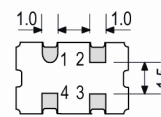
- Pack Style: Bulk Loose in bulk pack
- Pack Size: 100
- *Alternative packing option available*



Outline (mm)

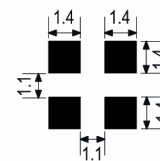


- Pad Connections
1. Standby Operation
 2. GND
 3. Output
 4. +VS

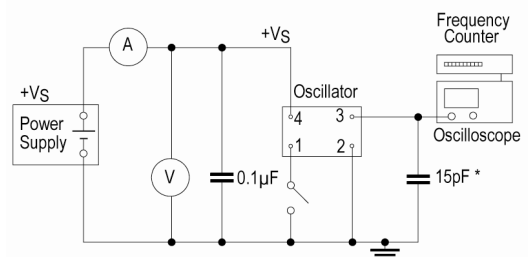


Underside View

Solder Pad Layout



Test Circuit



* Inclusive of jigging & equipment capacitance

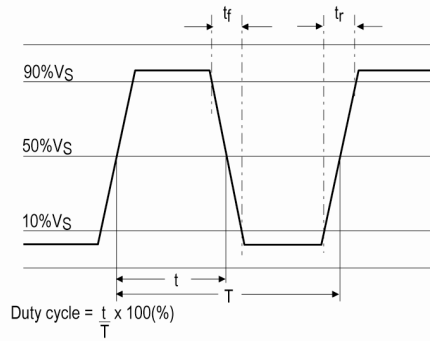
Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

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UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

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